

Rapid Communication

Fundamental states of accretion/jet configuration and the black hole candidate GRS 1915 + 105

SANDIP K CHAKRABARTI AND ANUJ NANDI

Astrophysics, Atmospheric & Space Physics

Cosmic ray energy spectrum above 10^{17} eV observed at Gauhati University mini array

T BEZBORUAH, K BORUAH AND P K BORUAH

Coronal index of solar activity and cosmic ray intensity variations

PANKAJ K SHRIVASTAVA, R K TIWARI AND S K NIGAM

A study of the variation of daily O_3 concentration at Halley Bay in Antarctica with daily solar UV flux

S K MIDYA, S N MAITRA AND G TARAFDAR

Atomic & Molecular Physics

Electron capture in $H^+ - O$ collisions

R DAS, S SAHOO AND K ROY

Energy levels, oscillator strengths and lifetimes in Mg-like sulphur

G P GUPTA AND A Z MSEZANE

General Physics

The maximum entropy principle and Schrödinger eigenvalue problems

K BANDYOPADHYAY, K BHATTACHARYYA AND A K BHATTACHARYA

Hall effect with simultaneous thermal and mass diffusion on unsteady hydromagnetic flow near an accelerated vertical plate

M ACHARYA, G C DASH AND L P SINGH

Notes

Molecular force field of sulphadimethoxine

N JIGEESH, A RADHA KRISHNA MURTHY AND M RANGACHARYULU

Particle size distribution measurements using polarized light methods

TRAIAN NICULA

On eigen values of simple harmonic motion

M S ANSARI AND G M MIR

On couple-stress fluid heated from below in porous medium

R C SHARMA AND SHIVANI SHARMA

**Eight element circular array of circular patch microstrip antenna
in dielectric medium**

SUNIL K KHAH AND P K S POURUSH